

Vindications

Having described and illustrated the nature and main object for the present invention, as well as how this can be fabricated, it is stated to vindicate as property and exclusive right:

1.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, characterized because it presents in its lower end a hollow handle with the interior cavity divided, by means of a sliding stop device, in an intermediate chamber, designed to contain toothpaste, and a lower chamber containing air communicated with the outside environment by a minute orifice; the superior face of this intermediate chamber showing a first valve communicating with a third chamber with varying volume formed by the interior of a hollow moving part, the trigger, and side walls extending the handle and providing a guide and a stop to the trigger; this trigger having an elastic repositioning device (spring) so that, when still, maximizes the varying volume; this first valve capable of allowing the passage of toothpaste only in the ascending direction when the pressure in the superior chamber is lower than the pressure in the intermediate chamber, which, in general terms, is substantially similar to the outside environment pressure (atmospheric pressure); such a superior chamber communicated with the tubular canal within an protruding section substantially thinner than the lower section of the handle and as extending vertically this handle, carrying this extension, in its upper end the bristles head in which the bristles are evenly distributed over the interior vertical face of the bristles head; presenting the tubular canal an orifice with a second valve, placed this in the center of the bristles head and among them, capable this valve to allow the passage of toothpaste from such a canal to the bristles only when the pressure in the canal is higher than the ambient

pressure; dosing the toothpaste when the user activates the trigger with its pointing finger, which generates an increase onto the toothpaste in the varying volume chamber and the tubular canal, opening the second valve; while deactivating the trigger, a depressurizing in the trigger chamber occurs which closes the second valve and opens the first one, suctioning toothpaste from the intermediate chamber until the trigger returns to its rest position, while the sliding stop device slides towards the trigger chamber, finally closing the first and second valves.

2.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1, characterized because such a protruding or extending part is retractable, being this introduced, by means of an axial movement, from its active position where the trigger chamber is communicated with the tubular canal, to its retracted non-operative position, where the trigger chamber is not communicated with the tubular canal within an additional cavity in the handle, presenting means of sealing the contact points between the moving retractable part and the fix parts.

3.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1 and 2, characterized because such a protruding or extending retractable part has a lock to fix such a part in the operative, or active; position as well as in the retracted non-operative position.

4.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1, characterized because the handle present in its base a lid or cap set in place by pressure, determining a restricted air passage from the outside environment into the minute orifice.

5.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1, characterized because it presents a removable cover which sets in

place by means of pressure on to the upper border of the handle, covering the trigger, the protruding or extending part and the bristles head.

6.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1 and 2, characterized because it presents a removable cover which sets in place by means of pressure on to the upper border of the handle, covering the trigger, the protruding or extending retractable part and the bristles head when such a part is in the retracted non-operative position.

7.- TOOTHBRUSH WITH A TOOTHPASTE CONTAINER AND A DOSING TRIGGER, as vindicated in 1, characterized because within the lower chamber, inside the handle, there is an elastic device (spring) which cooperates in the upper movement of the sliding stop device.

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